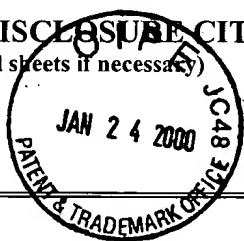


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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>HK</i>	A11	4,296,100	10/20/81	Franco	424	108	
<i>HK</i>	A12	5,137,734	08/11/92	Spiegelman et al.	424	574	
	A13	5,155,217	10/13/92	Goldfarb et al.	536	27	
	A14	5,238,916	08/24/93	Goldfarb et al.	514	2	
	A15	5,302,702	04/12/94	Seddon et al.	530	399	
	A16	5,310,883	05/10/94	Seddon et al.	530	399	
	A17	5,352,589	10/04/94	Bergonzoni et al.	435	69.4	
	A18	5,371,206	12/06/94	Seddon et al.	536	23.5	
	A19	5,387,673	02/07/95	Seddon et al.	530	399	
	A20	5,491,220	02/13/96	Seddon et al.	530	399	

## FOREIGN PATENT DOCUMENTS

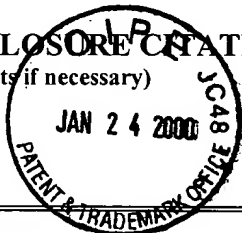
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>HK</i>	C41	Laham, et al., Local Perivascular Basic Fibroblast Growth Factor (bFGF) Treatment in Patients With Ischemic Heart Disease, J. Am. Coll. Cardiol., 31:394A
	C42	Lopez, et al., Local Perivascular Administration of Basic Fibroblast Growth Factor: Drug Delivery and Toxicological Evaluation, Drug and Metabolism and Disposition, 24(8):922-924 (1996)
	C43	Mathieu, et al., Receptor Binding and Mitogenic Properties of Mouse Fibroblast Growth Factor 3, The Journal of Biological Chemistry, 270(41):24197-24203 (1995)
	C44	Miyamoto, et al., Molecular Cloning of a Novel Cytokine cDNA Encoding the Ninth Member of the Fibroblast Growth Factor Family, Which has a Unique Secretion Property, Molecular and Cellular Biology, 13(7):4251-4259 (July, 1993)

EXAMINER <i>Aope Robinson</i>	DATE CONSIDERED: <i>5/1/00</i>
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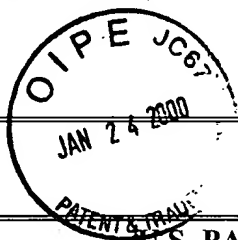
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
<i>HAR</i>	C45	Miyataka, et al., <i>Basic Fibroblast Growth Factor Increased Regional Myocardial Blood Flow and Limited Infarct Size of Acutely Infarcted Myocardium in Dogs</i> , <i>Angiology</i> , <b>49(5)</b> :381-390 (May, 1998)
<i>HAR</i>	C46	Ornitz, et al., <i>Receptor Specificity of the Fibroblast Growth Factor Family</i> , <i>The Journal of Biological Chemistry</i> , <b>271(25)</b> :15292-15297 (June 21, 1996)
<i>HAR</i>	C47	Schumacher, et al., <i>Induction of Neoangiogenesis in Ischemic Myocardium by Human Growth Factors</i> , <i>Circulation</i> , <b>97</b> :645-650 (1997)
<i>HAR</i>	C48	Sellke, et al., <i>Basic FGF enhances endothelium-dependent relaxation of the collateral-perfused coronary microcirculation</i> , <i>The American Physiological Society</i> , <b>267</b> :H1303-H1311 (1994)
<i>HAR</i>	C49	Sellke, et al., <i>Enhanced microvascular relaxations to VEGF and bFGF in chronically ischemic porcine myocardium</i> , <i>Am. J. Physiol.</i> , <b>271</b> :H713-H720 (1996)
<i>HAR</i>	C50	Sellke, et al., <i>Therapeutic Angiogenesis With Basic Fibroblast Growth Factor: Technique and Early Results</i> , <i>The Society of Thoracic Surgeons</i> , <b>65</b> :1540-1544 (1998)
<i>HAR</i>	C51	Uchida, et al., <i>Angiogenic therapy of acute myocardial infarction by intrapericardial injection of basic fibroblast growth factor and heparin sulfate: An experimental study</i> , <i>American Heart Journal</i> , <b>130(6)</b> :1182-1188 (December, 1995)
<i>HAR</i>	C52	Watanabe, et al., <i>Effect of basic fibroblast growth factor on angiogenesis in the infarcted porcine heart</i> , <i>Basic Res Cardiol.</i> , <b>93</b> :30-37 (1998)

EXAMINER <i>Hope Robinson</i>	DATE CONSIDERED: <i>8/1/00</i>
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## U.S. PATENT DOCUMENTS

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HA	A1	4,956,455	09/11/90	Esch et al.	530	399	
HA	A2	5,137,510	08/11/92	VanDeripe	604	28	
HA	A3	5,155,214	10/13/92	Baird et al.	530	399	
	A4	5,213,570	05/25/93	VanDeripe	604	23	
	A5	5,269,326	12/14/93	Verrier	128	642	
	A6	5,439,818	08/08/95	Fiddes et al.	435	240.2	
	A7	5,464,774	11/07/95	Baird et al.	536	23.51	
	A8	5,514,566	05/07/96	Fiddes et al.	435	69.1	
	A9	5,604,293	02/18/97	Fiddes et al.	530	399	
	A10	5,750,659	05/12/98	Basiclico et al.	530	399	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
HA	B1	0 228 449 B1	12/31/86	EPO	—	—		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

HA	C1	Abraham, et al., <i>Human basic fibroblast growth factor: nucleotide sequence and genomic organization</i> , The EMBO Journal, <b>5</b> (10):2523-2528 (1986)
HA	C2	Anderson, <i>Gene Therapy for Genetic Diseases</i> , Human Gene Therapy <b>5</b> :281-282 (1994)
HA	C3	Banai, et al., <i>Angiogenic-Induced Enhancement of Collateral Blood Flow to Ischemic Myocardium by Vascular Endothelial Growth Factor in Dogs</i> , Circulation, <b>89</b> (5):2183-2189 (May, 1994)
HA	C4	Barinaga, <i>Step Taken Toward Improved Vectors for Gene Transfer</i> , Science <b>266</b> :1326 (November 25, 1994)

EXAMINER

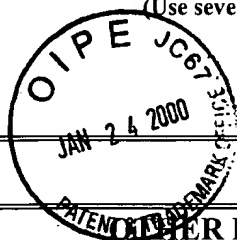
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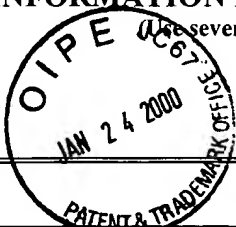
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
HAC	C5	Barr, et al., <i>Efficient catheter-mediated gene transfer into the heart using replication-defective adenovirus</i> , Gene Therapy 1:51-58 (1994)
	C6	Battler, et al., <i>Intracoronary Injection of Basic Fibroblast Growth Factor Enhances Angiogenesis in Infarcted Swine Myocardium</i> , JACC, 22(7):2001-2006 (December, 1993)
	C7	Brown, <i>Gene Therapy 'Oversold' by Researchers, Journalists</i> , The Washington Post, A1 & A22 (December 8, 1995)
	C8	Burgess, et al., <i>The Heparin-Binding (Fibroblast) Growth Factor Family of Proteins</i> , Annu. Rev. Biochem, 58:575-606 (1989)
	C9	Challita, et al., <i>Lack of expression from a retroviral vector after transduction of murine hematopoietic stem cells is associated with methylation in vivo</i> , Proc. Natl. Acad. Sci. USA 91:2567-2571 (March, 1994)
	C10	Clements, et al., <i>Activation of fibroblast growth factor (FGF) receptors by recombinant human FGF-5</i> , Oncogene, 8:1311-1316 (1993)
	C11	Coghlan, <i>Gene dream fades away</i> , New Scientist 148(2005):14-15 (November 25, 1995)
	C12	Corallini, et al., <i>Promotion of tumour metastases and induction of angiogenesis by native HIV-1 Tat protein from BK virus/tat transgenic mice</i> , AIDS 10(7):701-710 (1996)
	C13	Coulier, et al., <i>Putative structure of the FGF6 gene product and role of the signal peptide</i> , Oncogene, 6:1437-1444 (1991)
	C14	Fisher, et al., <i>Recombinant adeno-associated virus for muscle directed gene therapy</i> , Nature Medicine 3(3):306-312 (March, 1997)
	C15	Giordano, et al., <i>Reduced Myocardial Ischemia After Recombinant Adenovirus Mediated in-Vivo Fibroblast Growth Factor-5 Gene Transfer</i> , J. Invest. Med. 3:278A (1995)
	C16	Giordano, et al., <i>Intracoronary gene transfer of fibroblast growth factor-5 increases blood flow and contractile function in an ischemic region of the heart</i> , Nature Medicine 2(5):534-539 (May, 1996)
✓	C17	Guzman, et al., <i>Efficient Gene Transfer Into Myocardium by Direct Injection of Adenovirus Vectors</i> , Circulation Research 73(6):1202-1207 (December, 1993)

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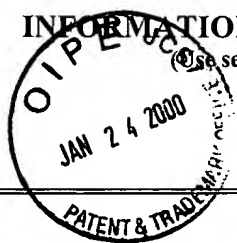
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
4/12	C18	Harada, <i>et al.</i> , <i>Basic Fibroblast Growth Factor Improves Myocardial Function in Chronically Ischemic Porcine Hearts</i> , J. Clin. Invest. <b>94</b> :623-630 (August, 1994)
	C19	Jaroff, <i>Keys to the Kingdom</i> , Time <b>148(14)</b> :24-29 (1996)
	C20	Kass-Eisler, <i>et al.</i> <i>Quantitative determination of adenovirus-mediated gene delivery to rat cardiac myocytes in vitro and in vivo</i> , Proc. Natl. Acad. Sci. USA <b>90</b> :11498-11502 (December, 1993)
	C21	Klagsbrun, <i>Angiogenic Factors: Regulators of Blood Supply-Side Biology</i> , The New Biologist, <b>3(8)</b> :745-749 (August, 1991)
	C22	Landau, <i>et al.</i> , <i>Intrapericardial basic fibroblast growth factor induces myocardial angiogenesis in a rabbit model of chronic ischemia</i> , American Heart Journal, <b>129(5)</b> :924-931 (May, 1995)
	C23	Lazarous, <i>et al.</i> , <i>Comparative Effects of Basic Fibroblast Growth Factor and Vascular Endothelial Growth Factor on Coronary Collateral Development and the Arterial Response to Injury</i> , Circulation, <b>94(5)</b> :1075-1082 (September 1, 1996)
	C24	Lazarous, <i>et al.</i> , <i>Effects of Chronic Systemic Administration of Basic Fibroblast Growth Factor on Collateral Development in the Canine Heart</i> , Circulation <b>91(1)</b> :145-153 (January 1, 1995)
	C25	Lipton, <i>et al.</i> , <i>Acidic fibroblast growth factor enhances regeneration of processes by postnatal mammalian retinal ganglion cells in culture</i> , Proc. Natl. Acad. Sci., USA <b>85</b> :2388-2392 (April, 1988)
	C26	Magovern, <i>et al.</i> , <i>Direct in vivo Gene Transfer to Canine Myocardium Using a Replication-Deficient Adenovirus Vector</i> , Ann. Thorac. Surg. <b>62</b> :425-34 (1996)
	C27	Marshall, <i>Gene Therapy's Growing Pains</i> , Science, <b>269</b> :1050-1055 (August 25, 1995)
	C28	Nahreinei, <i>et al.</i> , <i>Versatile adeno-associated virus 2-based vectors for construction recombinant virions</i> , Gene <b>124</b> :257-262 (1993)
	C29	Ohno, <i>et al.</i> , <i>Gene Therapy for Vascular Smooth Muscle Cell Proliferation After Arterial Injury</i> , Science <b>265</b> :781-784 (August 5, 1994)
	C30	Orkin, <i>et al.</i> , <i>Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy</i> , (December 7, 1995) 41 pages
✓	C31	Rakusan, K., <i>Coronary Angiogenesis</i> , Annals New York Academy of Sciences, <b>752</b> : 257-265 (1995)

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HAR	C32	Rubin, <i>et al.</i> , Purification and characterization of a newly identified growth factor specific for epithelial cells, Proc. Natl. Acad. Sci. USA, <b>86</b> :802-806 (February, 1989)
	C33	Schubert, <i>et al.</i> , Multiple Influences of a Heparin-binding Growth Factor on Neuronal Development, The Journal of Cell Biology, <b>104</b> :635-643 (1987)
	C34	Shou, <i>et al.</i> , Effect of Basic Fibroblast Growth Factor on Myocardial Angiogenesis in Dogs With Mature Collateral Vessels, JACC, <b>29</b> (5):1102-1106 (April, 1997)
	C35	Slavin, Fibroblast Growth Factors: At the Heart of Angiogenesis, Cell Biology International, <b>19</b> (5):431-444 (1995)
	C36	Unger, <i>et al.</i> , Basic fibroblast growth factor enhances myocardial collateral flow in a canine model, Am J. Physiol <b>266</b> (Heart Circ. Physiol 35):H1588-H1595, (1994)
	C37	Valles, <i>et al.</i> , Acidic fibroblast growth factor is a modulator of epithelial plasticity in a rat bladder carcinoma cell line, Proc. Natl. Acad. Sci. USA, <b>87</b> :1124-1128 (February, 1990)
	C38	Xiao, <i>et al.</i> , Efficient Long-Term Gene Transfer into Muscle Tissue of Immunocompetent Mice by Adeno-Associated Virus Vector, Journal of Virology, <b>70</b> :8098-8108 (November, 1996)
	C39	Yanagisawa-Miwa, <i>et al.</i> , Salvage of Infarcted Myocardium by Angiogenic Action of Basic Fibroblast Growth Factor, Science <b>257</b> :1401-1403 (September 4, 1992)
✓	C40	Yayon, <i>et al.</i> , Autocrine Regulation of cell growth and transformation by basic fibroblast growth factor, Cancer and Metastasis Reviews <b>9</b> :191-202 (1990)

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